



Features

- 19" Touch Screens
- 12th Gen Intel Core i5 10-Core CPU
- Cable Gland for Sealed I/O Connections
- IP66, IP69K Waterproof Rating
- Windows 11 Compatible
- Dual 2.5 GbE LAN

Technical Specifications

Primary Components

|                  |                                                |
|------------------|------------------------------------------------|
| Processor Family | Intel Core I series 12th Generation Alder Lake |
| Processor Model  | Core i5-1245UE                                 |
| Memory Type      | 2x DDR4 SO-DIMM                                |
| Memory Support   | 4GB, 8GB, 16GB, 32GB, 64GB                     |
| Storage Type     | 1x 2.5" SATA Drive Bay for SSD/HDD             |
| Storage Support  | 32GB-1TB                                       |

Display

|                   |                                             |
|-------------------|---------------------------------------------|
| Screen Size       | 19                                          |
| Screen Resolution | 1280 x 1024 (SXGA)                          |
| Screen Ratio      | 5:4                                         |
| Brightness        | Optional 1000 nit High Brightness, 350 nits |

Touch Screen

|              |                                 |
|--------------|---------------------------------|
| Touch Screen | Projected Capacitive, Resistive |
| Hardness     | Resistive: 3H, P-cap: 7H        |

External I/O Ports

|                        |                                              |
|------------------------|----------------------------------------------|
| USB                    | 2x USB 2.0, 2x USB 3.2, 2x USB 3.2 Type C    |
| Serial / Com           | 2x COM                                       |
| Serial Protocol Detail | 2x RS-232/422/485                            |
| Ethernet / LAN         | 2x RJ45 2.5 GbE LAN                          |
| Video Outputs          | 2x Display Port 1.4a via USB-C, 2x HDMI 2.0b |
| Audio Ports            | 1x Audio Line-Out, 1x Mic-In                 |

Power

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| Input Voltage Range    | 12-28V DC                                                  |
| Standard Power Adapter | AC 100 ~ 277V / 47 ~ 63 Hz / DC output 24V, 5A, 120W, IP68 |

Operating Systems

|         |                                                |
|---------|------------------------------------------------|
| Windows | Windows 10 IoT, Windows 10 Pro, Windows 11 Pro |
| Linux   | Linux                                          |

Compatibility

|                   |         |
|-------------------|---------|
| Security Hardware | TPM 2.0 |
|-------------------|---------|

Expansion Slots

|              |                                                                                                          |
|--------------|----------------------------------------------------------------------------------------------------------|
| Internal M.2 | 1x M.2 3042/3052 Key B (For 4G/5G Cellular expansion option), 1x M.2 for NVME SSD Support, 1x M.2 Type E |
|--------------|----------------------------------------------------------------------------------------------------------|

Multimedia

|          |                  |
|----------|------------------|
| Speakers | Optional Speaker |
|----------|------------------|

Thermal & Environmental

|                       |                             |
|-----------------------|-----------------------------|
| Operating Temperature | 0°C - 40°C (32°F – 104°F)   |
| Storage Temperature   | -20°C - 60°C (-4°F – 140°F) |
| Cooling Solution      | Passive – Fanless           |
| Humidity Range        | 10% – 90% Non-condensing    |
| Storage Humidity      | 10% – 90% Non-condensing    |

Enclosure

|                  |                                                         |
|------------------|---------------------------------------------------------|
| Material         | Optional SUS316 Stainless Steel, SUS304 Stainless Steel |
| IP Rating        | IP66, IP69K                                             |
| Color            | Stainless Steel                                         |
| Control Buttons  | Brightness Down, Brightness Up, Power Button            |
| Mounting Options | Swing Arm, Table Mount, VESA 100 Mount, Wall Mount      |

Peripherals & Wireless Connectivity

|                 |                                                     |
|-----------------|-----------------------------------------------------|
| WiFi            | Optional WiFi + Bluetooth Flat Antenna Kit          |
| Sim Card        | 1x Nano SIM Card Slot                               |
| Barcode Scanner | Optional 1D/2D Barcode Scanner                      |
| RFID            | Optional RFID (Cannot coexist with barcode scanner) |

Weight / Dimensions

|            |                                           |
|------------|-------------------------------------------|
| Weight     | 7.39 kg (16.3 lbs)                        |
| Dimensions | 458 x 396 x 105 mm (18.0 x 15.6 x 4.1 in) |

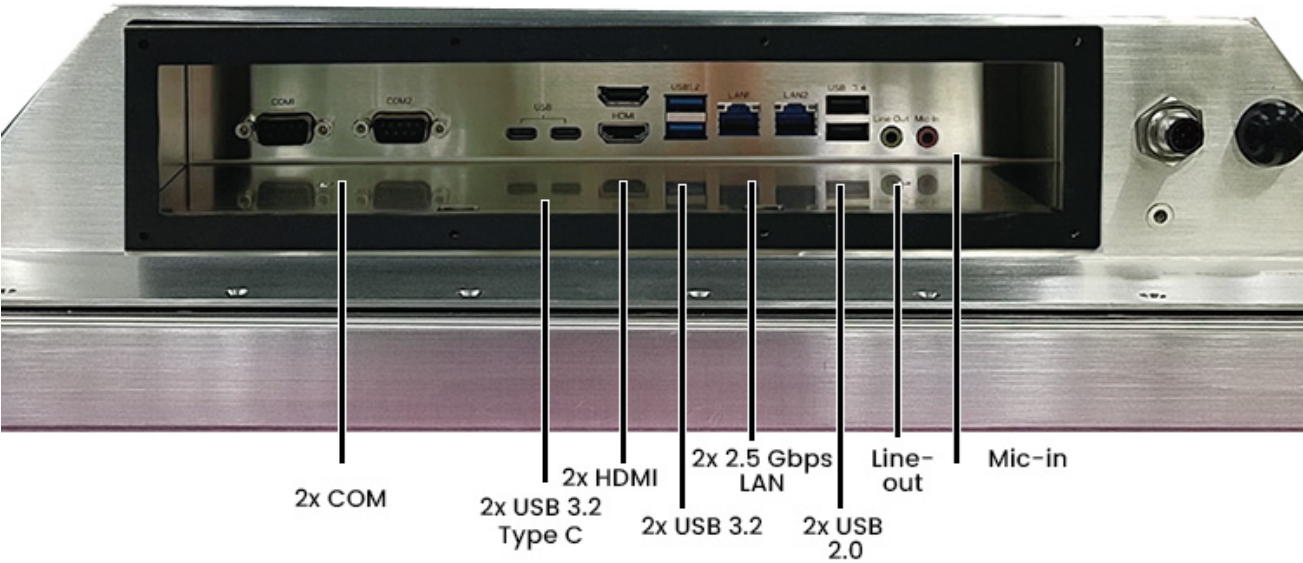
Certification

|                |         |
|----------------|---------|
| Certifications | CE, FCC |
|----------------|---------|

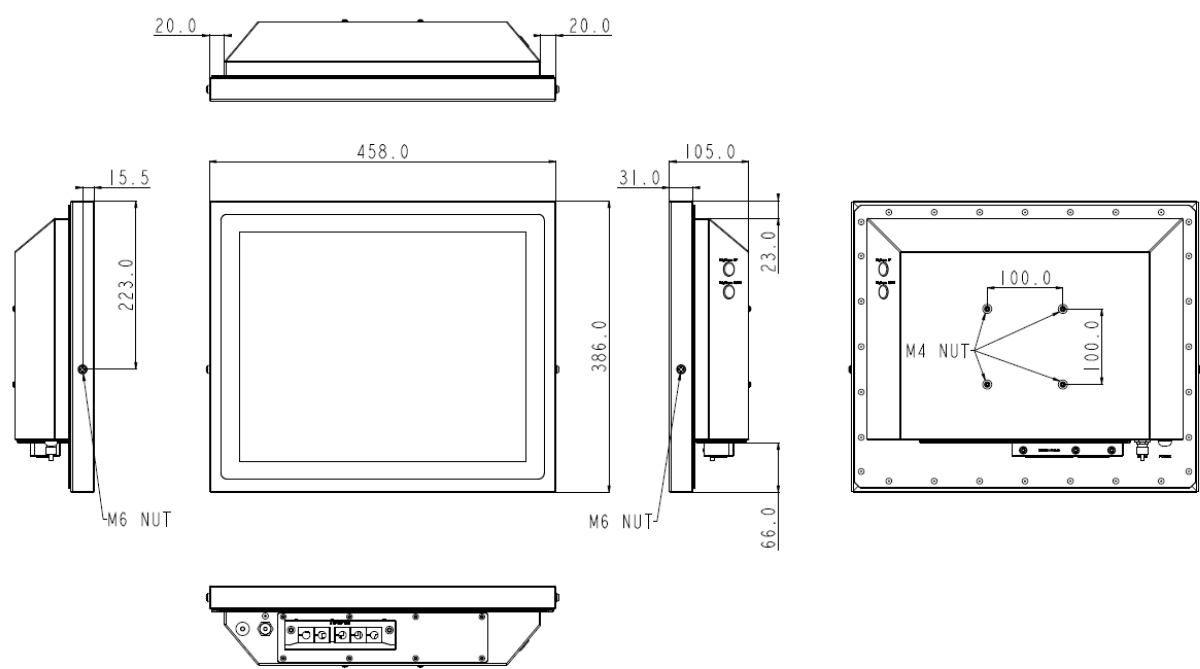
Warranty

|          |               |
|----------|---------------|
| Warranty | Up to 5 Years |
|----------|---------------|

I/O Diagram Images



Tech Diagram Images



*All specifications are subject to change without notice.*